



9-1-04

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MH-5065

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Vetro et al.

Title: ENCODING A VIDEO WITH A VARIABLE FRAME-RATE WHILE  
MINIMIZING TOTAL AVERAGE DISTORTION

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Filing Date: April 16, 2001

SEP 03 2004

Application Serial No.: 09/835,691

Technology Center 2600

EXPRESS MAIL mailing label number:

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Dilu C. Zhang  
Name of Depositor

Signature

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Pursuant to 37 C.F.R. §1.56(a), Applicant hereby cites the following documents (copies enclosed) listed on the attached copy of Form PTO-1449.

This Information Disclosure Statement is filed in accordance with the paragraph of 37 CFR §1.97 checked below:

       1.97(b) This Information Disclosure Statement is filed:

- (1) Within three months of the filing date of a national application; OR
- (2) Within three months of the date of entry of the national stage of an international application; OR
- (3) Before the mailing of a first Office Action on the merits.

No fee or certification is required.

X 1.97(c) This Information Disclosure Statement is filed after the period specified in paragraph (b) above, but before the mailing date of either:

- (1) A Final Action under 37 CFR 1.113; OR
- (2) A Notice of Allowance under 37 CFR 1.311;

AND is accompanied by either:  
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X the Certification under 37 CFR  
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\_\_\_\_\_ the fee of \$240.00 under 37 CFR  
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BUT before payment of the Issue Fee, AND is accompanied  
by:

- (1) the Certification under 37 CFR 1.97(e) as  
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- (2) Petition is hereby made under 37 CFR  
1.97(d) for consideration of this  
Information Disclosure Statement; AND,
- (3) Authorization to charge the petition fee  
of \$130.00 as set out in 37 CFR 1.17(i).

If this Information Disclosure Statement is being filed  
under 37 CFR 1.97(c) or 1.97(d), the undersigned Attorney hereby

certifies that:

X each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of this Statement;

or

— no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, or to the knowledge of the undersigned Attorney after making reasonable enquiry, was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing date of this Statement.

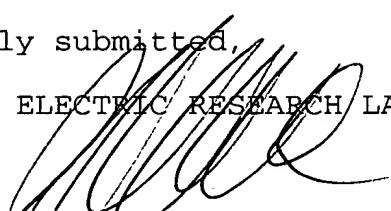
MH-5065

Authorization is hereby given to charge the indicated fee(s) to Deposit Account No. 50-0749.

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Respectfully submitted,

MITSUBISHI ELECTRIC RESEARCH LABORATORIES

By: 

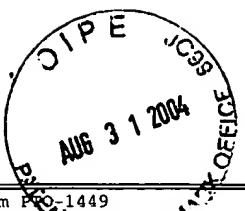
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Enclosures

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Form PTO-1449 (modified 2/21/91)	U.S. DEPT OF COMMERCE Patent and Trademark Office	Attorney Docket Number: MH-5065	Serial Number: 09/835,691
<b>INFORMATION DISCLOSURE CITATION</b>			
(Use several sheets if necessary)			
Applicant: Vetro et al.		Filing date: April 16, 2001	
		Group art area:	

**U.S. PATENT DOCUMENTS**

Examiner Initial	Patent number	Date	Name	Class	Subclass	Filing date if appropriate

**U.S. PATENT APPLICATIONS**

	Application serial number	Date	Name		SEP 03 2004

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**FOREIGN PATENT DOCUMENTS**

	Document number	Date	Country	Class	Subclass	Translation
	WO 00/18137	March 20, 2000	PCT	H04N7	50	YES
	WO 02/071639	September 12, 2002	PCT	H04B1	66	YES

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

1.	Vetro, et al., "An Overview of MPEG-4 Object-Based Encoding Algorithms," Proceedings International IEEE Conference on Information Technology, Coding and Computing, April 2, 2001.
2.	Turga, et al., "Classification based mode decisions for video over network," IEEE Transactions on Multimedia, March 2001, vol. 3, no. 1, pp. 41-52.
3.	Vetro, et al., "MPEG-4 Rate Control for Multiple Video Objects," IEEE Transactions on Circuits and Systems for Video Technology, vol. 9, no. 1, February 1999, pp. 186-199.
4.	Wang, et al., "Multi-program video coding with joint rate control," Global Communications Conference, November 18, 1996, pp. 1516-1520.
5.	Martins, et al., "Joint control of spatial quantization and temporal sampling for very low bit rate video," Proceeding of IEEE International Conference on Acoustics, Speech, and Signal Processing, May 7, 1996, pp. 2072-2075.

Examiner: \_\_\_\_\_ Date Considered: \_\_\_\_\_

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP .609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.